

NSR-500

NSR-500 Network Surveillance Recorder with 16-channel Full HD image capture, up to 12TB of storage and RAID implementation

The NSR-500 network surveillance recorder supports up to 16 network cameras, which may be extended to 24 with the optional NSBK-CL05. It can record more than 300 hours of high quality Full HD images onto its maximum 12TB of hard disk drives, which are configured with high redundancy through a variety of RAID implementations.

The NSR-500 is extremely straightforward to install and setup, as it detects network cameras and defines the parameters of each through a dedicated configuration wizard. You can start monitoring instantly, as the images are automatically assigned to a layout menu.

1-year PrimeSupport is included as standard within the EU, Norway and Switzerland. This gives users access to an expert helpdesk and, in the unlikely event of a failure, will arrange for an advance replacement unit to be delivered within a target time of one working day. An additional 2 years' support is also available as an option.

Features

16-channel (optionally 24 with NSBK-CL05) network video capture

Grow your system's connection capability. The NSR-500 connects to up to 16 network cameras, which you can extend to 24 with the optional NSBK-CL05, as your requirements change.

Long duration high quality recording

Get the storage that you need. The NSR-500 features a maximum of 12TB of hard disk drive capacity, which

means that you can record more than 300 hours of high quality Full HD images compressed at 4Mbps with a frame rate of 30 fps.

Reliability through RAID technology

Have confidence in your evidence. The NSR-500's hard disk storage units are configured with high redundancy and hot-swappable RAID technology, to protect your vital video information from disk failure 24 hours a day. You can choose from RAID 1 (1+0), RAID 5 or RAID 5 + Hot Spare.

Plug and Play

No need for complex installation procedures. The NSR-500 automatically detects cameras on the network, and a dedicated setup wizard defines the parameters for each in a straightforward step-by-step manner.

Easy operation

Start monitoring instantly. Images from the cameras are assigned automatically to a monitor layout menu, so that you can be safer sooner.

Three Industry-Standard Codecs for maximum compatibility

The NSR-500 can use H.264, MPEG-4 and JPEG for high quality recording and maximum compatibility with other equipment.

Backward System Compatibility

Enhance your system as your needs grow. The NSR-500 can be used with Sony's existing recording systems, such as the NSR-1000 series and RealShot Manager Advanced by means of the client, whose software is downloadable from the NSR-500.

Technical Specifications

Video/Recording	
Number of cameras supported	16 (max. 24ch with NSBK-CL05)
Video compression (IP camera)	H.264, MPEG-4, JPEG

Total recording frame rate (at H.264, full-HD, 4 Mbps)	480 fps
Recording frame rate / camera	Max. 30 fps / camera

Hard disk drives (physical capacity)	Up to 12 TB (2 TB x 6)
Hard disk drives (interface)	Serial ATA
Hard disk drives (RAID level) *RAID level to be selected depends on the number of HDDs	RAID 0, 1 (1+0), 5, 5+hot spare
Hard disk drives (recording capacity)	NSR-500:01 (RAID no) : Approx. 880 GB NSR-500:02 (RAID 0) : Approx. 1.7 TB NSR-500:04 (RAID 5) : Approx. 2.6 TB NSR-500:08 (RAID 5) : Approx. 5.4 TB NSR-500:12 (RAID 5) : Approx. 9.0 TB
Expansion storage	iSCSI storage (max. 16 TB)

Video Output

Monitor OUT *1	Analog RGB (D-sub 15-pin) x 1
Monitor OUT display resolution	1,920 x 1,200 / 1,920 x 1,080 / 1,360 x 768 / 1,600 x 1,200 / 1,280 x 1,024 / 1,024 x 768

Audio Output

Audio OUT	Stereo mini jack x 1
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Sensor Input/Alarm Output

Sensor IN	Compatible with DC3.3 V to 24 V, photo coupler input x 8 (insulated from main unit)
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Alarm OUT	Max. DC 24V/1A, mechanical relay output x 8 (insulated from main unit)
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Other Interfaces

Ethernet	1000BASE-T/100BASE-TX/10BASE-T x 2
USB	USB2.0 x 2 (Front), USB2.0 x 2 (Rear)
Serial interface (for UPS)	RS-232C : D-sub 9-pin x 1

General

Dimensions (W x H x D)	440 x 88 x 400 mm (17 3/8 x 3 1/2 x 15 3/4 inch), excluding protrusions
Mass	Approx. 9.4 kg (20 lb 12 oz)
Power requirements	100 V to 127 V AC / 200 V to 240 V (50/60 Hz)
Power consumption	Max. 250 W (100-240 V 3.5-1.5 A)
Operating temperature	5 to 40 degrees C (41 to 104 degrees F)
Operating humidity	20 to 80% (no condensing)
Supplied accessories	Installation manual x 1, CD-ROM x 1, Flyer (WEEE) x 1, Flyer (EU battery) x 1, Warranty booklet x 1, Front panel key x 2, Rubber PAD x 4, HDD screw x 24 (*w/o HDD model only), Setup Disc x 1 (*w/o HDD model only)